

## EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits | Search Query   | DBs                | Default Operator | Plurals | Time Stamp          |
|-------|------|--|--------------------|------------------|---------|---------------------|
| S1    | 300  | (US-20040142069-\$ or US-20060057247-\$ or US-20080038406-\$ or US-20080206403-\$ or US-20090180999-\$ or US-20080107767-\$ or US-20040146600-\$ or US-20010049132-\$ or US-20030228680-\$ or US-20060251633-\$ or US-20010006671-\$ or US-20010043967-\$ or US-20010051609-\$ or US-20020028269-\$ or US-20030138523-\$ or US-20040005382-\$ or US-20040121042-\$ or US-20060127560-\$ or US-20070031536-\$ or US-20070207133-\$ or US-20070231442-\$ or US-20080063752-\$ or US-20080102159-\$ or US-20080187625-\$ or US-20030021818-\$ or US-20030156978-\$).did. or (US-20050113012-\$ or US- | US-PGPUB;<br>USPAT | OR               | ON      | 2009/07/27<br>09:13 |

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or US6872565-\$ or US-  
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or US7153502-\$).did. or (US-

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|----|---------|--|---------------------------|-----|----|---------------------|
|    |         | 7169415-\$ or US7323204-\$ or US7358083-\$ or US7449311-\$ or US7491507-\$ or US3794739-\$ or US4759933-\$ or US4766076-\$ or US4808417-\$ or US4834987-\$ or US4970083-\$ or US5354687-\$ or US5895758-\$ or US6159724-\$ or US6423309-\$ or US6479050-\$ or US6872411-\$ or US4329228-\$ or US4776974-\$ or US5182114-\$ or US5772986-\$ or US5773062-\$ or US6069136-\$ or US6120825-\$ or US6271013-\$ or US6355859-\$ or US6436891-\$). did. or (US6500861-\$ or US6583181-\$ or US6593283-\$ or US6630172-\$ or US6927237-\$ or US6998369-\$ or US7071005-\$ or US7111759-\$ or US7316824-\$ or US7381439-\$ or US7435438-\$ or US7556833-\$).did. |                           |     |    |                     |
| S2 | 2243261 | S1(liquid)   | US-PGPUB;<br>USPAT; USOCR | OR  | ON | 2009/07/27<br>09:20 |
| S3 | 231     | S1(liquid)   | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/27<br>09:20 |
| S4 | 4       | S1(liquid)(tangential)   | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/27<br>09:20 |
| S5 | 0       | ("2003/0185811").URPN.   | USPAT                     | OR  | ON | 2009/07/27<br>09:21 |

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|-----|------|---|---------------------------|------|----|---------------------|
| S6  | 1304 | (filtration)(bacteria)(viable)<br>(tangential)  | US-PGPUB;<br>USPAT; USOCR | AND  | ON | 2009/07/27<br>09:23 |
| S7  | 1010 | (filtration)(bacteria)(viable)<br>(tangential)((food)or(consume)or<br>(consumption))                            | US-PGPUB;<br>USPAT; USOCR | AND  | ON | 2009/07/27<br>09:23 |
| S8  | 0    | (filtration)(bacteria)(viable)<br>(tangential)((food)or(consume)or<br>(consumption))                            | US-PGPUB;<br>USPAT; USOCR | SAME | ON | 2009/07/27<br>09:23 |
| S9  | 0    | (filtration)(bacteria)(viable)<br>(tangential)((food)or(consume)or<br>(consumption))                            | US-PGPUB;<br>USPAT; USOCR | WITH | ON | 2009/07/27<br>09:23 |
| S10 | 0    | (filtration)(bacteria)(viable)<br>(tangential)((food)or(consume)or<br>(consumption))                            | US-PGPUB;<br>USPAT; USOCR | NEAR | ON | 2009/07/27<br>09:24 |
| S11 | 25   | (filtration)((bacteria)near(viable))<br>(tangential)((food)or(consume)or<br>(consumption))                      | US-PGPUB;<br>USPAT; USOCR | AND  | ON | 2009/07/27<br>09:24 |
| S12 | 30   | (filtration)((bacteria)near(viable))<br>((tangential)or(cross\$flow))<br>((food)or(consume)or<br>(consumption)) | US-PGPUB;<br>USPAT; USOCR | AND  | ON | 2009/07/27<br>09:25 |
| S13 | 1    | (filtration)((bacteria)near(viable))<br>((tangential)or(cross\$flow))<br>((food)or(consume)or<br>(consumption)) | EPO; JPO;<br>DERWENT      | AND  | ON | 2009/07/27<br>09:26 |
| S14 | 2    | ((bacteria)near(viable))<br>((tangential)or(cross\$flow))<br>((food)or(consume)or<br>(consumption))             | EPO; JPO;<br>DERWENT      | AND  | ON | 2009/07/27<br>09:27 |



|     |     |   |                           |     |    |                     |
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| S15 | 31  | (bacteria)((tangential)or(cross<br>\$flow))((food)or(consume)or<br>(consumption))   | EPO; JPO;<br>DERWENT      | AND | ON | 2009/07/27<br>09:27 |
| S16 | 449 | (bacteria)((tangential)or(cross))<br>((food)or(consume)or<br>(consumption))   | EPO; JPO;<br>DERWENT      | AND | ON | 2009/07/27<br>09:30 |
| S17 | 33  | (bacteria)((tangential)or<br>(crossflow)or(cross adj flow))<br>((food)or(consume)or<br>(consumption))   | EPO; JPO;<br>DERWENT      | AND | ON | 2009/07/27<br>09:30 |
| S18 | 160 | ("426".clas.)(bacteria)((tangential)<br>or(crossflow)or(cross adj flow))<br>((food)or(consume)or<br>(consumption))  | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/27<br>09:36 |
| S19 | 62  | ("426".clas.)(bacteria)<br>(((tangential)or(crossflow)or<br>(cross adj flow))near((filtration)or<br>(filtrate)))((food)or(consume)or<br>(consumption))                          | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/27<br>09:59 |
| S20 | 2   | ("426".clas.)(probiotic)<br>(((tangential)or(crossflow)or<br>(cross adj flow))near((filtration)or<br>(filtrate)))((food)or(consume)or<br>(consumption))                         | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/27<br>10:09 |
| S21 | 23  | ("426".clas.)((lactobacillus)or<br>(bifidobacteria))(((tangential)or<br>(crossflow)or(cross adj flow))near<br>((filtration)or(filtrate)))((food)or<br>(consume)or(consumption)) | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/27<br>10:10 |

|     |      |  |                           |     |    |                     |
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| S22 | 7    | ("3295991"   "3975544"  <br>"4147807"   "4158607"  <br>"4568548").PN. OR ("6649199").<br>URPN.   | US-PGPUB;<br>USPAT; USOCR | OR  | ON | 2009/07/27<br>10:12 |
| S23 | 1100 | 426/62.ccls.   | US-PGPUB;<br>USPAT; USOCR | OR  | ON | 2009/07/27<br>10:15 |
| S24 | 20   | 426/62.ccls.(probiotic)  | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/27<br>10:16 |
| S25 | 29   | 426/62.ccls.((probiotic)or(lactic)<br>or(lactobacillus)or<br>(bifidobacterium)or<br>(Streptococcus)or(Lactococcus))<br>(viable)(liquid)                          | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/27<br>10:17 |
| S26 | 198  | 426/61.ccls.((probiotic)or(lactic)<br>or(lactobacillus)or<br>(bifidobacterium)or<br>(Streptococcus)or(Lactococcus))<br>(viable)(liquid)                          | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/27<br>10:18 |
| S27 | 177  | 426/61.ccls.((probiotic)or(lactic)<br>or(lactobacillus)or<br>(bifidobacterium)or<br>(Streptococcus)or(Lactococcus))<br>(viable)(liquid)(concentrat\$3)           | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/27<br>10:33 |
| S28 | 153  | 426/61.ccls.((probiotic)or(lactic)<br>or(lactobacillus)or<br>(bifidobacterium)or<br>(Streptococcus)or(Lactococcus))<br>(viable)(liquid)(concentrat\$3)<br>(days) | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/27<br>10:53 |

|     |    |  |                           |     |    |                     |
|-----|----|--|---------------------------|-----|----|---------------------|
| S29 | 69 | 426/61.ccls.((probiotic)or(lactic)or(lactobacillus)or(bifidobacterium)or(Streptococcus)or(Lactococcus))(viable)(liquid)(concentrat\$3)(days)(temperature)((survive)or(survival))   | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/27<br>10:53 |
| S30 | 0  | ("2004/0115308").URPN.   | USPAT                     | OR  | ON | 2009/07/27<br>13:51 |
| S31 | 41 | "5968569"  | US-PGPUB;<br>USPAT; USOCR | OR  | ON | 2009/07/27<br>13:56 |
| S32 | 3  | ("5968569".pn.)("6872411".pn.)("7217414".pn.)  | US-PGPUB;<br>USPAT; USOCR | OR  | ON | 2009/07/27<br>13:56 |
| S33 | 1  | ("5096718".pn.)  | US-PGPUB;<br>USPAT; USOCR | OR  | ON | 2009/07/27<br>14:04 |
| S34 | 50 | ("1459959"   "1470885"   "1910130"   "1937672"   "2154499"   "2465905"   "3404987"   "3681091"   "3779796"   "3812269"   "3846567"   "3895116"   "3928620"   "4199606"   "4308293"   "4497883"   "4728516"   "4806368").PN. OR ("5096718").URPN. | US-PGPUB;<br>USPAT; USOCR | OR  | ON | 2009/07/27<br>14:05 |
| S35 | 15 | "426".clas.((tangential)or(crossflow)or(cross adj flow))(probiotic)((retention)or(concentration))  | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/27<br>14:12 |

|     |     |   |                           |     |    |                     |
|-----|-----|---|---------------------------|-----|----|---------------------|
| S36 | 40  | "426".clas.((tangential)or<br>(crossflow)or(cross adj flow)or<br>(microfiltration))(probiotic)<br>((retention)or(concentration))  | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/27<br>14:16 |
| S37 | 300 | (US-20040142069-\$ or US-<br>20060057247-\$ or US-<br>20080038406-\$ or US-<br>20080206403-\$ or US-<br>20090180999-\$ or US-<br>20080107767-\$ or US-<br>20040146600-\$ or US-<br>20010049132-\$ or US-<br>20030228680-\$ or US-<br>20060251633-\$ or US-<br>20010006671-\$ or US-<br>20010043967-\$ or US-<br>20010051609-\$ or US-<br>20020028269-\$ or US-<br>20030138523-\$ or US-<br>20040005382-\$ or US-<br>20040121042-\$ or US-<br>20060127560-\$ or US-<br>20070031536-\$ or US-<br>20070207133-\$ or US-<br>20070231442-\$ or US-<br>20080063752-\$ or US-<br>20080102159-\$ or US-<br>20080187625-\$ or US-<br>20030021818-\$ or US-<br>20030156978-\$).did. or (US-<br>20050113012-\$ or US-<br>20050239850-\$ or US-<br>20030060369-\$ or US-<br>20020009520-\$ or US- | US-PGPUB;<br>USPAT        | OR  | ON | 2009/07/27<br>16:56 |

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or US6833150-\$ or US-  
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or US-RE28488-\$ or US4339464-  
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or US5196443-\$ or US-  
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US-4820640-\$ or US-4842871-\$  
or US-4877615-\$ or US-  
4906611-\$ or US-4942032-\$ or  
US-5232731-\$ or US-5374433-\$  
or US-5385743-\$ or US-  
5445835-\$ or US-5468479-\$ or  
US-5520936-\$ or US-5538743-\$  
or US-5576035-\$ or US-  
5578302-\$ or US-5604127-\$ or  
US-5645877-\$ or US-5676985-\$  
or US-5691185-\$ or US-  
5759598-\$).did. or (US-5776524-  
\$ or US-5837509-\$ or US-  
5866385-\$ or US-5869113-\$ or  
US-5914248-\$ or US-6039984-\$  
or US-6066343-\$ or US-  
6106873-\$ or US-6133023-\$ or  
US-6174550-\$ or US-6228358-\$  
or US-6287610-\$ or US-  
6323011-\$ or US-6350606-\$ or  
US-6358521-\$ or US-6368641-\$  
or US-6413765-\$ or US-  
6569474-\$ or US-6586025-\$ or  
US-6599504-\$ or US-6699517-\$  
or US-6872565-\$ or US-  
6884415-\$ or US-6884455-\$ or  
US-6929931-\$ or US-7033628-\$  
or US-7153502-\$).did. or (US-  
7169415-\$ or US-7323204-\$ or  
US-7358083-\$ or US-7449311-\$  
or US-7491507-\$ or US-

|     |    |  |                           |     |    |                     |
|-----|----|--|---------------------------|-----|----|---------------------|
|     |    | 3794739-\$ or US4759933-\$ or US4766076-\$ or US4808417-\$ or US4834987-\$ or US4970083-\$ or US5354687-\$ or US5895758-\$ or US6159724-\$ or US6423309-\$ or US6479050-\$ or US6872411-\$ or US4329228-\$ or US4776974-\$ or US5182114-\$ or US5772986-\$ or US5773062-\$ or US6069136-\$ or US6120825-\$ or US6271013-\$ or US6355859-\$ or US6436891-\$). did. or (US6500861-\$ or US6583181-\$ or US6593283-\$ or US6630172-\$ or US6927237-\$ or US6998369-\$ or US7071005-\$ or US7111759-\$ or US7316824-\$ or US7381439-\$ or US7435438-\$ or US7556833-\$).did. |                           |     |    |                     |
| S38 | 32 | S37((adapt)or(adaptation))   | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/27<br>16:56 |
| S39 | 32 | S37((adapt)or(adaptation))((pH)or<br>(temperature))  | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/27<br>16:56 |
| S40 | 84 | 426/61.ccls.((adapt)or<br>(adaptation))((pH)or<br>(temperature))   | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/27<br>16:59 |
| S41 | 15 | 426/61.ccls.((adapt)or<br>(adaptation))((pH)or<br>(temperature))(probiotic)  | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/27<br>16:59 |

|     |     |   |                           |     |    |                     |
|-----|-----|---|---------------------------|-----|----|---------------------|
| S42 | 67  | 426/61.ccls.((adapt)or<br>(adaptation))((pH)or<br>(temperature))((probiotic)or<br>(lactic)or(lactobacillus)or<br>(bifidobacterium)or<br>(Streptococcus)or(Lactococcus)) | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/27<br>17:00 |
| S43 | 263 | 426/61.ccls.((size)or<br>(micrometer))((probiotic)or(lactic)<br>or(lactobacillus)or<br>(bifidobacterium)or<br>(Streptococcus)or(Lactococcus))                           | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/28<br>13:49 |
| S44 | 231 | 426/61.ccls.((size)or<br>(micrometer))((probiotic)or(lactic)<br>or(lactobacillus)or<br>(bifidobacterium)or<br>(Streptococcus)or(Lactococcus))<br>(pH)                   | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/28<br>13:49 |
| S45 | 85  | 426/61.ccls.((size)or<br>(micrometer))((probiotic)or(lactic)<br>or(lactobacillus)or<br>(bifidobacterium)or<br>(Streptococcus)or(Lactococcus))<br>(pH)(adapt\$7)         | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/28<br>13:49 |
| S46 | 170 | ((adapt\$7)near((size)or<br>(micrometer))((probiotic)or<br>(lactic)or(lactobacillus)or<br>(bifidobacterium)or<br>(Streptococcus)or(Lactococcus))                        | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/28<br>13:59 |
| S47 | 55  | ((adapt\$7)near((size)or<br>(micrometer))((probiotic)or<br>(lactobacillus)or(bifidobacterium)<br>or(Streptococcus)or<br>(Lactococcus))                                  | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/28<br>14:01 |

|     |      |   |                           |     |    |                     |
|-----|------|---|---------------------------|-----|----|---------------------|
| S48 | 1101 | ((adapt\$7)or(select\$5))near<br>((size)or(micrometer))((probiotic)<br>or(lactobacillus)or<br>(bifidobacterium)or<br>(Streptococcus)or(Lactococcus))                | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/28<br>14:05 |
| S49 | 35   | ("426".clas.)(((adapt\$7)or(select<br>\$5))near((size)or(micrometer)))<br>((probiotic)or(lactobacillus)or<br>(bifidobacterium)or<br>(Streptococcus)or(Lactococcus)) | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/28<br>14:05 |
| S50 | 28   | ("426".clas.)(((select\$5))near<br>((size)or(micrometer))((probiotic)<br>or(lactobacillus)or<br>(bifidobacterium)or<br>(Streptococcus)or(Lactococcus))              | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/28<br>14:07 |
| S51 | 28   | ("426".clas.)((select\$5)near((size)<br>or(micrometer))((probiotic)or<br>(lactobacillus)or(bifidobacterium)<br>or(Streptococcus)or<br>(Lactococcus))                | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/28<br>14:07 |
| S52 | 1047 | ((select\$5)near((size)or<br>(micrometer))((probiotic)or<br>(lactobacillus)or(bifidobacterium)<br>or(Streptococcus)or<br>(Lactococcus))                             | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/28<br>14:19 |
| S53 | 55   | ((adapt\$7))near((size)or<br>(micrometer))((probiotic)or<br>(lactobacillus)or(bifidobacterium)<br>or(Streptococcus)or<br>(Lactococcus))                             | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/28<br>14:19 |

|     |       |   |                           |     |    |                     |
|-----|-------|---|---------------------------|-----|----|---------------------|
| S54 | 1     | ((adapt\$7))near((size)or<br>(micrometer))((probiotic)or<br>(lactobacillus)or(bifidobacterium)<br>or(Streptococcus)or<br>(Lactococcus)) | EPO; JPO;<br>DERWENT      | AND | ON | 2009/07/28<br>14:20 |
| S55 | 1047  | ((select\$5)near((size)or<br>(micrometer))((probiotic)or<br>(lactobacillus)or(bifidobacterium)<br>or(Streptococcus)or<br>(Lactococcus)) | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/28<br>14:21 |
| S56 | 11    | ((tolera\$7)near((size)or<br>(micrometer))((probiotic)or<br>(lactobacillus)or(bifidobacterium)<br>or(Streptococcus)or<br>(Lactococcus)) | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/28<br>14:28 |
| S57 | 2697  | ((adapt\$7)near((size)or<br>(micrometer)))(select)  | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/28<br>14:37 |
| S58 | 100   | ((adapt\$7)near((size)or<br>(micrometer)))(select)(bacteria)  | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/28<br>14:38 |
| S59 | 2     | "stress" "decrease" "bacteria<br>size" "adapt"  | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/28<br>14:59 |
| S60 | 3     | "stress" "bacteria size" "adapt"  | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/28<br>15:00 |
| S61 | 0     | "stress" "bacteria size" "adapt"<br>"select"  | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/28<br>15:00 |
| S62 | 5     | "bacteria size" "adapt" "select"  | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/28<br>15:00 |
| S63 | 16    | "bacteria size" "adapt"   | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/28<br>15:01 |
| S64 | 11720 | "bacteria" "size" "adapt"   | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/28<br>15:01 |

|     |      |   |                           |      |    |                     |
|-----|------|---|---------------------------|------|----|---------------------|
| S65 | 2113 | "bacteria" "size" "adapt" "select" "stress"   | US-PGPUB;<br>USPAT; USOCR | AND  | ON | 2009/07/28<br>15:02 |
| S66 | 2495 | "bacteria" "size" "adaptation" "select" "stress"  | US-PGPUB;<br>USPAT; USOCR | AND  | ON | 2009/07/28<br>15:02 |
| S67 | 202  | "bacteria" "size" "micrometer" "adaptation" "select" "stress"   | US-PGPUB;<br>USPAT; USOCR | AND  | ON | 2009/07/28<br>15:02 |
| S68 | 63   | "size" "micrometer" "adaptation" "select" "stress" ((lactobacillus)or (bifidobacterium)or (Streptococcus)or(Lactococcus)) | US-PGPUB;<br>USPAT; USOCR | AND  | ON | 2009/07/28<br>15:03 |
| S69 | 0    | (bacteria)(Size)(stress)  | US-PGPUB;<br>USPAT; USOCR | NEAR | ON | 2009/07/28<br>15:40 |
| S70 | 0    | (bacteria)(Size)(stress)  | EPO; JPO;<br>DERWENT      | NEAR | ON | 2009/07/28<br>15:40 |
| S71 | 4    | (bacteria)(Size)(stress)  | EPO; JPO;<br>DERWENT      | WITH | ON | 2009/07/28<br>15:40 |
| S72 | 337  | (bacteria)(Size)(stress)  | US-PGPUB;<br>USPAT; USOCR | WITH | ON | 2009/07/28<br>15:41 |
| S73 | 551  | (bacteria)(Size)(stress)  | US-PGPUB;<br>USPAT; USOCR | SAME | ON | 2009/07/28<br>15:41 |
| S74 | 0    | (bacteria)(Size)(stress)(adapt)   | US-PGPUB;<br>USPAT; USOCR | WITH | ON | 2009/07/28<br>15:41 |
| S75 | 1    | (bacteria)(Size)(stress)(adapt)   | US-PGPUB;<br>USPAT; USOCR | SAME | ON | 2009/07/28<br>15:41 |
| S76 | 0    | "426".clas.(bacteria)(Size)(stress)   | US-PGPUB;<br>USPAT; USOCR | WITH | ON | 2009/07/28<br>15:42 |
| S77 | 0    | "426".clas.((bacteria)near(size) near(stress))  | US-PGPUB;<br>USPAT; USOCR | AND  | ON | 2009/07/28<br>15:42 |
| S78 | 0    | ("426".clas.)((bacteria)near(size) near(stress))  | US-PGPUB;<br>USPAT; USOCR | AND  | ON | 2009/07/28<br>15:43 |

|     |      |   |                           |     |    |                     |
|-----|------|---|---------------------------|-----|----|---------------------|
| S79 | 292  | (426/327.ccls.)   | US-PGPUB;<br>USPAT; USOCR | OR  | ON | 2009/07/28<br>17:00 |
| S80 | 0    | (426/327.ccls.)(probiotic)  | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/28<br>17:01 |
| S81 | 4    | 426/327.ccls.((lactobacillus)or<br>(bifidobacterium)or<br>(Streptococcus)or(Lactococcus)) | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/28<br>17:01 |
| S82 | 17   | 426/324.ccls.((lactobacillus)or<br>(bifidobacterium)or<br>(Streptococcus)or(Lactococcus)) | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/28<br>17:07 |
| S83 | 0    | 206/524.ccls.((lactobacillus)or<br>(bifidobacterium)or<br>(Streptococcus)or(Lactococcus)) | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/28<br>17:11 |
| S84 | 173  | 206/524.ccls.   | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/28<br>17:11 |
| S85 | 505  | 206/524.1.ccls.   | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/28<br>17:11 |
| S86 | 4    | 206/524.1.ccls.(preserve)<br>(freeze)   | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/28<br>17:12 |
| S87 | 25   | 206/524.1.ccls.(preserve)   | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/28<br>17:13 |
| S88 | 7098 | ("426".clas.)(packag\$4)(preserv<br>\$5)  | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/28<br>17:16 |
| S89 | 336  | ("426".clas.)(packag\$4)near<br>(preserv\$5))   | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/28<br>17:17 |
| S90 | 20   | ("426".clas.)(packag\$4)near<br>(preserv\$5))((freez\$4)or(frozen))<br>(thaw)             | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/28<br>17:17 |

|      |     |   |                           |     |    |                     |
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| S91  | 1   | ("426".clas.)((packag\$4)near<br>(preserv\$5))((freez\$4)or(frozen))<br>(thaw)(hermetic\$5)                                   | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/28<br>17:19 |
| S92  | 22  | ("426".clas.)((packag\$4)near<br>(preserv\$5))((freez\$4)or(frozen))<br>(hermetic\$5)   | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/28<br>17:19 |
| S93  | 6   | ("426".clas.)((packag\$4)near<br>(preserv\$5))((freez\$4)or(frozen))<br>(hermetic\$5)(sterile)                                | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/28<br>17:20 |
| S94  | 13  | ("426".clas.)((packag\$4)near<br>(preserv\$5))(hermetic\$5)(sterile)  | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/28<br>17:22 |
| S95  | 400 | ("426".clas.)(hermetic\$5)(sterile)   | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/28<br>17:22 |
| S96  | 199 | ("426".clas.)(hermetic\$5)(sterile)<br>(bacteria)   | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/28<br>17:23 |
| S97  | 10  | ("426".clas.)(hermetic\$5)(sterile)<br>(bacteria)(probiotic)  | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/28<br>17:23 |
| S98  | 8   | ("426".clas.)(hermetic\$5)(sterile)<br>(bacteria)(probiotic)((freeze)or<br>(frozen))  | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/28<br>17:24 |
| S99  | 0   | ("426".clas.)(hermetic\$5)(sterile)<br>(bacteria)(probiotic)((thaw)or<br>(reheat))  | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/28<br>17:52 |
| S100 | 31  | (426/61.ccls.)((thaw)or(reheat))  | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/28<br>17:52 |
| S101 | 0   | (426/61.ccls.)((thaw)or(reheat))<br>((probiotic)or(lactobacillus)or<br>(bifidobacterium)or<br>(Streptococcus)or(Lactococcus)) | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/28<br>17:54 |



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| S102 | 0    | (426/61.ccls)((thaw)or(reheat))<br>((lactobacillus)or<br>(bifidobacterium)or<br>(Streptococcus)or(Lactococcus)) | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/28<br>17:54 |
| S103 | 15   | (426/61.ccls)((thaw)or(reheat))<br>((lactobacillus)or<br>(bifidobacterium)or<br>(Streptococcus)or(Lactococcus)) | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/28<br>17:54 |
| S104 | 31   | (426/61.ccls)((thaw)or(reheat))   | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/28<br>17:59 |
| S105 | 679  | ("426".clas)((thaw)or(reheat))<br>(package)   | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/28<br>18:00 |
| S106 | 394  | ("426".clas)((thaw)or(reheat))<br>(package)(freeze)   | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/28<br>18:00 |
| S107 | 43   | ("426".clas)((thaw)or(reheat))<br>(package)(freeze)(sterile)  | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/28<br>18:00 |
| S108 | 29   | ("426".clas)((thaw)or(reheat))<br>(package)(freeze)(sterile)((room)<br>near(temperature))                       | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/28<br>18:04 |
| S109 | 87   | ("426".clas)((thaw)or(reheat))<br>(sterile)((room)near<br>(temperature))  | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/28<br>18:08 |
| S110 | 52   | ("426".clas)((thaw)or(reheat))<br>near((room)near(temperature)))  | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/28<br>18:10 |
| S111 | 2055 | ("426".clas)((thaw)or(reheat))  | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/28<br>18:18 |
| S112 | 1260 | ("426".clas)((thaw)or(reheat))<br>(degrees)   | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/28<br>18:19 |
| S113 | 26   | (426/61.ccls)((thaw)or(reheat))<br>(degrees)  | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/28<br>18:19 |

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|------|------|--|---------------------------|-----|----|---------------------|
| S114 | 26   | (426/61.ccls.)((thaw)or(reheat))<br>(degrees)((S98)or(S103)or(S108)<br>or(S113)or("40")or("45"))                         | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/28<br>18:23 |
| S115 | 1083 | ("426".clas.)((thaw)or(reheat))<br>(degrees)((S98)or(S103)or(S108)<br>or(S113)or("40")or("45"))                          | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/28<br>18:23 |
| S116 | 23   | ("426".clas.)((thaw)or(reheat))<br>(degrees)((S98)or(S103)or(S108)<br>or(S113)or("40")or("45"))<br>(probiotics)          | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/28<br>18:24 |
| S117 | 134  | ("426".clas.)((thaw)or(reheat))<br>(degrees)((S98)or(S103)or(S108)<br>or(S113)or("40")or("45"))<br>(preserved)           | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/28<br>18:25 |
| S118 | 374  | ("426".clas.)((thaw\$4)or(reheat))<br>(degrees)((S98)or(S103)or(S108)<br>or(S113)or("40")or("45"))<br>(preserved)        | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/28<br>18:29 |
| S119 | 14   | ("426".clas.)(reheat)(degrees)<br>((S98)or(S103)or(S108)or(S113)or<br>("40")or("45"))(preserved)                         | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/28<br>18:35 |
| S120 | 424  | ("426".clas.)((reheat)or(warm))<br>(degrees)((S98)or(S103)or(S108)<br>or(S113)or("40")or("45"))<br>(preserved)           | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/28<br>18:37 |
| S121 | 198  | ("426".clas.)((reheat)or(warm))<br>(degrees)((S98)or(S103)or(S108)<br>or(S113)or("40")or("45"))<br>(preserved)(additive) | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/28<br>18:37 |

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|------|-----|--|---------------------------|-----|----|---------------------|
| S122 | 0   | ("426".clas.)(((reheat)or(warm))near(additive))(degrees)((S98)or(S103)or(S108)or(S113)or("40")or("45"))(preserved) | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/28<br>18:37 |
| S123 | 2   | ("426".clas.)(((reheat)or(warm))with(additive))(degrees)((S98)or(S103)or(S108)or(S113)or("40")or("45"))(preserved) | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/28<br>18:38 |
| S124 | 17  | ("426".clas.)(((reheat)or(warm))same(additive))(degrees)((S98)or(S103)or(S108)or(S113)or("40")or("45"))(preserved) | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/28<br>18:38 |
| S125 | 21  | ("426".clas.)(((reheat)or(warm))same(additive))(degrees)(preserved)  | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/28<br>18:39 |
| S126 | 0   | ("426".clas.)(((reheat)or(warm))same(additive))(degrees)(celsius)(preserved)                                       | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/28<br>18:39 |
| S127 | 0   | ("426".clas.)(((reheat)or(warm))same(additive))(degrees)(celcius)(preserved)                                       | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/28<br>18:39 |
| S128 | 110 | "4352849"  | US-PGPUB;<br>USPAT; USOCR | OR  | ON | 2009/07/29<br>07:32 |
| S129 | 110 | "4352849"  | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/29<br>07:32 |
| S130 | 1   | "4352849".pn.  | US-PGPUB;<br>USPAT; USOCR | OR  | ON | 2009/07/29<br>07:32 |
| S131 | 909 | ("426".clas.)(package)(pump\$7)(additive)  | US-PGPUB;<br>USPAT; USOCR | AND | ON | 2009/07/29<br>08:01 |

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| S132 | 63   | ("426".clas.)(package)(pump\$7)<br>(additive)(end)((production)near<br>(line))   | US-PGPUB;<br>USPAT; USOCR | AND  | ON | 2009/07/29<br>08:02 |
| S133 | 110  | ("426".clas.)(packag\$3)(pump\$7)<br>(additive)(end)((production)near<br>(line)) | US-PGPUB;<br>USPAT; USOCR | AND  | ON | 2009/07/29<br>08:12 |
| S134 | 33   | ("426".clas.)((additive)near(pump<br>\$3))                                       | US-PGPUB;<br>USPAT; USOCR | AND  | ON | 2009/07/29<br>08:44 |
| S135 | 0    | ("426".clas.)(((additive)near(pump<br>\$3))near((food)or(consumable)))           | US-PGPUB;<br>USPAT; USOCR | AND  | ON | 2009/07/29<br>08:46 |
| S136 | 1    | (((additive)near(pump\$3))near<br>((food)or(consumable)))                        | US-PGPUB;<br>USPAT; USOCR | AND  | ON | 2009/07/29<br>08:46 |
| S137 | 2    | (((additive)near(pump\$3))with<br>((food)or(consumable)))                        | US-PGPUB;<br>USPAT; USOCR | AND  | ON | 2009/07/29<br>08:47 |
| S138 | 18   | (((additive)near(pump\$3))same<br>((food)or(consumable)))                        | US-PGPUB;<br>USPAT; USOCR | AND  | ON | 2009/07/29<br>08:47 |
| S139 | 25   | ("426".clas.)((additive)near(pump<br>\$3))((food)or(consumable))                 | US-PGPUB;<br>USPAT; USOCR | AND  | ON | 2009/07/29<br>08:48 |
| S140 | 304  | ("426".clas.)((liquid)near(pump<br>\$3))((food)or(consumable))                   | US-PGPUB;<br>USPAT; USOCR | AND  | ON | 2009/07/29<br>08:49 |
| S141 | 6    | ("426".clas.)(((liquid)near(pump<br>\$3))near((food)or(consumable)))             | US-PGPUB;<br>USPAT; USOCR | AND  | ON | 2009/07/29<br>08:49 |
| S142 | 16   | ("426".clas.)(((liquid)near(pump<br>\$3))with((food)or(consumable)))             | US-PGPUB;<br>USPAT; USOCR | AND  | ON | 2009/07/29<br>08:50 |
| S143 | 56   | ("426".clas.)(((liquid)near(pump<br>\$3))same((food)or(consumable)))             | US-PGPUB;<br>USPAT; USOCR | AND  | ON | 2009/07/29<br>08:53 |
| S144 | 33   | "2364049"  | US-PGPUB;<br>USPAT; USOCR | OR   | ON | 2009/07/29<br>09:18 |
| S145 | 3679 | (cereal)(acid\$3)  | US-PGPUB;<br>USPAT; USOCR | WITH | ON | 2010/01/06<br>10:17 |

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| S146 | 95   | (cereal)(acid\$3)  | US-PGPUB;<br>USPAT; USOCR | NEAR | ON | 2010/01/06<br>10:17 |
| S147 | 10   | ("4087559"   "4091117"  <br>"4187321"   "4870022"  <br>"5087449"   "5192685"  <br>"5322836"   "5494664"  <br>"5501857").PN. OR ("6306638").<br>URPN. | US-PGPUB;<br>USPAT; USOCR | OR   | ON | 2010/01/06<br>10:38 |
| S148 | 3    | S147((stable)or(stabil\$4))  | US-PGPUB;<br>USPAT; USOCR | AND  | ON | 2010/01/06<br>10:40 |
| S149 | 6845 | (adapt\$3)(bacteria)((stable)or<br>(stabil\$4)or(surviv\$3))(day)<br>((dairy)or(beverage)or(drink))  | US-PGPUB;<br>USPAT; USOCR | AND  | ON | 2010/01/06<br>10:44 |
| S150 | 10   | (adapt\$3)(bacteria)((stable)or<br>(stabil\$4)or(surviv\$3))(day)<br>((dairy)or(beverage)or(drink))  | US-PGPUB;<br>USPAT; USOCR | SAME | ON | 2010/01/06<br>10:45 |
| S151 | 4062 | ((adapt\$3)same(bacteria))<br>((stable)or(stabil\$4)or(surviv\$3))<br>(day)  | US-PGPUB;<br>USPAT; USOCR | AND  | ON | 2010/01/06<br>12:07 |
| S152 | 3299 | ((adapt\$3)same(bacteria))<br>((stable)or(stabil\$4)or(surviv\$3))<br>(day)(pH)  | US-PGPUB;<br>USPAT; USOCR | AND  | ON | 2010/01/06<br>12:08 |
| S153 | 151  | ("426".clas.)((adapt\$3)same<br>(bacteria))((stable)or(stabil\$4)or<br>(surviv\$3))(day)(pH)   | US-PGPUB;<br>USPAT; USOCR | AND  | ON | 2010/01/06<br>12:13 |
| S154 | 203  | ("426".clas.)(((adapt\$3)same<br>(bacteria))or((acid)same<br>(stressed))))((stable)or(stabil\$4)or<br>(surviv\$3))(day)(pH)                          | US-PGPUB;<br>USPAT; USOCR | AND  | ON | 2010/01/06<br>12:15 |

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| S155 | 53  | ("426".clas.)((acid)same(stressed))((stable)or(stabil\$4)or(surviv\$3))(day)(pH)  | US-PGPUB;<br>USPAT; USOCR                          | AND | ON | 2010/01/06<br>12:15 |
| S156 | 34  | ("426".clas.)((acid)same(stressed))((stable)or(stabil\$4)or(surviv\$3))(day)(pH)(bacteria)  | US-PGPUB;<br>USPAT; USOCR                          | AND | ON | 2010/01/06<br>12:15 |
| S157 | 3   | ("426".clas.)((acid)with(stressed))((stable)or(stabil\$4)or(surviv\$3))(day)(pH)(bacteria)  | US-PGPUB;<br>USPAT; USOCR                          | AND | ON | 2010/01/06<br>12:16 |
| S158 | 136 | ("426".clas.)((acid)with(stress\$3))((stable)or(stabil\$4)or(surviv\$3))(day)(pH)(bacteria)   | US-PGPUB;<br>USPAT; USOCR                          | AND | ON | 2010/01/06<br>12:17 |
| S159 | 69  | ("426".clas.)(((adapt\$3)same(bacteria))or((acid)same(stressed))((stable)or(stabil\$4)or(surviv\$3))(day)(pH)(bacteria)((shelf)adj(life)) | US-PGPUB;<br>USPAT; USOCR                          | AND | ON | 2010/01/06<br>12:56 |
| S160 | 363 | ((adapt\$3)same(bacteria))or((acid)same(stressed))((stable)or(stabil\$4)or(surviv\$3))(day)(pH)(bacteria)((shelf)adj(life))               | US-PGPUB;<br>USPAT; USOCR                          | AND | ON | 2010/01/06<br>12:56 |
| S161 | 363 | ((adapt\$3)same(bacteria))or((acid)same(stressed))((stable)or(stabil\$4)or(surviv\$3))(day)(pH)(bacteria)((shelf)adj(life))               | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | AND | ON | 2010/01/06<br>12:56 |
| S162 | 293 | ((adapt\$3)same(bacteria))((stable)or(stabil\$4)or(surviv\$3))(day)(pH)(bacteria)((shelf)adj(life))                                       | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | AND | ON | 2010/01/06<br>12:57 |

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| S163 | 293  | ((adapt\$3)same(bacteria))<br>((stable)or(stabil\$4)or(surviv\$3))<br>(days)(pH)(bacteria)((shelf)adj<br>(life))                 | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | AND  | ON | 2010/01/06<br>12:57 |
| S164 | 103  | ((adapt\$3)with(bacteria))((stable)<br>or(stabil\$4)or(surviv\$3))(days)<br>(pH)(bacteria)((shelf)adj(life))                     | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | AND  | ON | 2010/01/06<br>12:58 |
| S165 | 25   | ((adapt\$3)with(bacteria))((stable)<br>or(stabil\$4)or(surviv\$3))(days)<br>(pH)(bacteria)((shelf)adj(life))<br>((dairy)or(soy)) | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | AND  | ON | 2010/01/06<br>12:59 |
| S166 | 406  | 426/ 28.ccls.  | US-PGPUB;<br>USPAT; USOCR                          | OR   | ON | 2010/01/06<br>13:53 |
| S167 | 153  | 426/ 28.ccls.(pH)  | US-PGPUB;<br>USPAT; USOCR                          | AND  | ON | 2010/01/06<br>13:54 |
| S168 | 115  | 426/ 28.ccls.(pH)(cereal)  | US-PGPUB;<br>USPAT; USOCR                          | AND  | ON | 2010/01/06<br>13:54 |
| S169 | 9    | "6060519"  | US-PGPUB;<br>USPAT; USOCR                          | OR   | ON | 2010/01/07<br>08:08 |
| S170 | 1932 | (pH)(cereal)   | US-PGPUB;<br>USPAT; USOCR                          | SAME | ON | 2010/01/07<br>08:09 |
| S171 | 429  | (pH)(cereal)   | US-PGPUB;<br>USPAT; USOCR                          | WITH | ON | 2010/01/07<br>08:09 |
| S172 | 668  | (pH)(cereal)   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | WITH | ON | 2010/01/07<br>08:10 |

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| S173 | 14      | (pH)(cereal)                                       | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | NEAR | ON | 2010/01/07<br>08:10 |
| S174 | 195     | (pH)((cereal)or(oat)or(wheat)or<br>(corn)or(bran)) | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO; DERWENT | NEAR | ON | 2010/01/07<br>08:10 |
| S175 | 582     | (bacteria)(stress)(size)                           | US-PGPUB;<br>USPAT; USOCR                          | SAME | ON | 2010/09/17<br>12:28 |
| S176 | 344     | (bacteria)(stress)(size)                           | US-PGPUB;<br>USPAT; USOCR                          | WITH | ON | 2010/09/17<br>12:28 |
| S177 | 1       | (bacteria)(stress)(size)(adapt\$7)                 | US-PGPUB;<br>USPAT; USOCR                          | WITH | ON | 2010/09/17<br>12:30 |
| S178 | 25      | (bacteria)(stress)(size)(adapt\$7)                 | US-PGPUB;<br>USPAT; USOCR                          | SAME | ON | 2010/09/17<br>12:30 |
| S179 | 6       | (microorganism)(stress)(size)<br>(adapt\$7)        | US-PGPUB;<br>USPAT; USOCR                          | SAME | ON | 2010/09/17<br>12:31 |
| S180 | 0       | (microorganism)(stress)(size)<br>(adapt\$7)        | EPO; JPO;<br>DERWENT                               | SAME | ON | 2010/09/17<br>12:32 |
| S181 | 4       | (microorganism)(stress)(size)<br>(adapt\$7)        | EPO; JPO;<br>DERWENT                               | AND  | ON | 2010/09/17<br>12:32 |
| S182 | 3946940 | (bacteria)(flow)(cytometry)                        | US-PGPUB;<br>USPAT; USOCR                          | OR   | ON | 2011/05/13<br>18:33 |
| S183 | 418     | (bacteria)(flow)(cytometry)                        | US-PGPUB;<br>USPAT; USOCR                          | WITH | ON | 2011/05/13<br>18:33 |
| S184 | 413     | (bacteria)((flow)near(cytometry))                  | US-PGPUB;<br>USPAT; USOCR                          | WITH | ON | 2011/05/13<br>18:34 |
| S185 | 16      | (bacteria)((flow)near(cytometry))<br>(size)        | US-PGPUB;<br>USPAT; USOCR                          | WITH | ON | 2011/05/13<br>18:34 |



## **EAST Search History (Interference)**

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**5/18/2011 9:58:44 PM**

**C:\Documents and Settings\fkimg\My Documents\EAST\Workspaces\10590507 Liquid Concentrate of Bacteria That are adapted nad fit for alimentary use.wsp**